

Remarks/Arguments:

Claims 26-33, 38-41, 45-47 and 49 have been rejected under U.S.C. § 102(e) as being anticipated by Fukagawa et al. (US 6,529,745). It is respectfully submitted, however, that these claims are patentable over the art of record for the reasons set forth below.

Fukagawa, Fig. 9, discloses sector antenna 92 composed of six antenna elements 91A through 91F. Each antenna element 91A through 91F has a radiation pattern which is fixed at 60 degrees. Antenna switching section 82 selects one of the antenna elements 91A through 91F.

Applicants' invention, as recited by claim 26, includes a feature which is neither disclosed nor suggested by the art of record, namely:

...selecting an arbitrary beam width and an arbitrary beam direction...

While Fukagawa can select one of several directions based on the selected antenna elements, Fukagawa is unable to select a beam width because all of his beams are fixed at 60 degrees. As this feature of beam width selection is neither disclosed nor suggested by Fukagawa, claim 26 is patentable over Fukagawa.

Applicants' claim 26 includes a further feature which is neither disclosed nor suggested by Fukagawa, namely:

...providing said antenna pattern corresponding to said plurality of antenna elements of said circular array antenna...

Fukagawa is unable to provide a pattern from a plurality of antenna elements.

Fukagawa's antenna pattern is based on the selection of only one antenna element.

The ability to provide an antenna pattern based on a plurality of antenna elements is neither disclosed nor suggested by Fukagawa. For this additional reason, claim 26 is patentable over Fukagawa.

Claim 27 has been cancelled. Claims 28-31 are patentable by virtue of their dependency on allowable claim 26.

Claim 32, while not identical to claim 26, is patentable for reasons similar to those set forth with regard to claim 26.

Claim 33 is patentable by virtue of its dependency on allowable claim 32.

Claims 34 through 37 have been allowed.

Claims 38 and 39 are allowable by virtue of their dependency on claim 32, which was previously argued as being allowable.

Claim 40, while not identical to claim 26, is patentable for reasons similar to those set forth above with regard to claim 26.

Claim 41 is allowable by virtue of its dependency on allowable claim 40.

Claims 42-44 were previously indicated as being allowable.

Claim 48 and claim 50 were previously indicated as being allowable.

Claim 45 is allowable by virtue of its dependency on allowable claim 48.

Claims 46 and 47 are allowable by virtue of their dependency on claim 40, which was previously argued as being allowable.

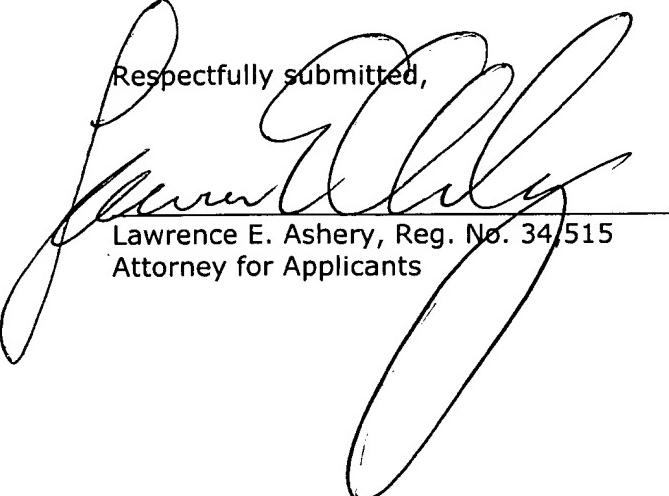
Claim 49 is allowable by virtue of its dependency on claim 48 which was previously allowed.

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Amendment Dated: April 13, 2005
Reply to Office Action of: January 13, 2005

MAT-8170US

In view of the amendments and arguments set forth above, the above-identified application is in condition for allowance which action is respectfully requested.

Respectfully submitted,


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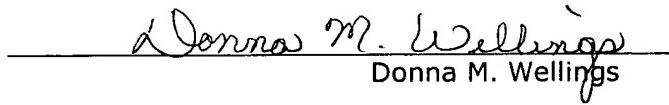
LEA/dmw

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